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DESCRIPTORS: *Glass, *Melting, *High-temperature
research, *Microscopes, Electric furnaces, Materials,
*Phase studies, Microscopy.

25253.1

A simple high temperature microscope was constructed,
which, although of low magnification, was used to ob-
serve the melting process of about one gram samples
up to 1450°C. It was found that addition of selected
minor ingredients was effective for enhanced bubble
formation, the fluidity of the melt, and the rate of
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